**IT Applications, Unit 4**

**Ch Developing a solution using spreadsheet software, p 192-195**

Case Study: Point Pleasant Social Service Program – organisational outline and current practice

Read the case study:

**Complete the think about IT, 6-3 activity:**

1. **Which current practices at Point Pleasant High School have led to inaccurate information?**

In the current practice Mr Greene calculates the amounts of money raised by the form groups by hand. This system has lead to an embarrassing incident where inaccurate information was obtained.

1. **What types of validation errors might occur using the current information processing methods?**

* Incorrect data entry
* Incorrect calculations
* Unreadable handwriting (manual)

**ANALYSING THE PROBLEM**

In the analysis stage there are three parts, elaborate under each of the following:

**Define the problem**

* 1. **Solution requirements**

**What is the difference between functional and non-functional attributes**

The solution requirements are determined by establishing its functional attributes, what the solution must be able to do, and the non-functional attributes, such as being user friendly and reliable.

* 1. **Constraints**

**List the constraints**

* Cost
* Speed of processing
* Requirements of users
* Legal requirements
* Security
* Compatibility
* Level of expertise
* Capacity
* Availability of equipment
  1. **Scope of solution**

**Describe the scope or the extent of the solution.**

These boundaries or parameters are important because they clearly state what the solution will and won’t be able to do, as well as the benefits to the user.